

7th Avenue and Bethany Home Road Water Quality Assurance Revolving Fund (WQARF) Site

Information from the Arizona Department of Environmental Quality (ADEQ) to the community near the 7th Avenue and Bethany Home Road site

SOIL AND GROUNDWATER* INVESTIGATION AT THE 7TH AVENUE AND BETHANY HOME ROAD SITE

The Arizona Department of Environmental Quality (ADEQ) has conducted preliminary investigations at the 7th Avenue and Bethany Home Road site located in Phoenix and placed the site on the *Water Quality Assurance Revolving Fund (WQARF) Registry* in August 2004. The site is located on the northeast corner of 7th Avenue and Bethany Home Road (see map inside).

Subsurface soil and groundwater at the site are contaminated with volatile organic compounds (VOCs), specifically the solvents called *tetrachloroethene (PCE)* and *trichloroethene (TCE)*. These man-made solvents are commonly used in dry cleaning and metal degreasing operations. PCE and TCE are present in the groundwater at levels that exceed the U.S. Environmental Protection Agency *Maximum Contaminant Level (MCL)* of five micrograms per liter ($\mu\text{g/l}$).

Groundwater in this area is present at approximately 85 feet below the surface (bgs) and flows to the northeast. Investigation and future clean up work at this site will be funded and managed by the Water Quality Assurance Revolving Fund (WQARF) Program, also known as the State Superfund Program.

ADEQ is sending this notice to all addresses within and near the 7th Avenue and Bethany Home Road site to provide information about the ongoing investigation. If you would like to become involved in the process or would like additional information, please fill out the form at the end of this notice.

WHAT ARE THE PLANS FOR THIS SITE?

The ADEQ began investigating the source and extent of contamination at the site in October 2004. The investigation included drilling soil borings to a depth of approximately 125 feet bgs at the site. Soil

and vapor samples were collected from the borings. Groundwater samples were also collected from the borings. ADEQ will be evaluating the data collected during the investigation. Based on ADEQ's evaluation of the data, a decision on whether to initiate an Early Response Action (ERA) or Remedial Investigation (RI) will be made. If an ERA is elected the purpose of the ERA will be to contain or control the migration of the contamination at the site. If a RI is conducted the purpose will be to define the degree and extent of the contamination.

WHAT ARE THE RISKS ASSOCIATED WITH THIS CONTAMINATION?

The soil and groundwater at the site is contaminated with PCE and TCE. The greatest risk of the exposure to this contamination comes from a direct route, such as ingestion (drinking the contaminated water). Dependent upon the concentration, exposure may also occur via vapor inhalation. Samples were collected at the site in an effort to determine the concentrations, present within the soil subsurface.

The water beneath the site is currently not used in the public drinking water system. **It is important to understand that if your water is provided by the City of Phoenix (COP), there is no threat of exposure from the groundwater contamination at this site.** The COP is required by law to provide water that meets all state and federal drinking water standards. The COP conducts regular testing of your drinking water to the community. For more information on your water quality, please contact the COP water services at (602) 262-6251.

If you have a private well near the site, you should avoid drinking the water or using it for household activities. People who drink water containing PCE and TCE in excess of the regulatory levels over many years could experience problems with their livers, kidneys, or nervous system. If you have a private well near the site please call Tom DiDomizio, ADEQ project manager, (602) 771-4229.

WHAT IS THE WATER QUALITY ASSURANCE REVOLVING FUND (WQARF) AND THE REGISTRY?

The WQARF Program was established by Arizona law to:

- 1) conduct statewide surface and groundwater monitoring;
- 2) study health effects;
- 3) perform emergency remedial actions; and
- 4) conduct long-term remedial action programs.

The WQARF Program is funded with state monies, civil and criminal penalties, and funds recovered from parties responsible for contamination.

ADEQ has established a Registry of sites in Arizona where groundwater and/or soil contamination is known to be present. Sites appearing on this Registry qualify for funds available from the State's WQARF for investigation and/or cleanup of contamination. The 7th Avenue and Bethany Home Road site is included on this Registry. Sites on the Registry are given a numeric score based in part upon the type of contaminant(s) present, the location of the contaminant(s), and the number of people that may be affected by the contaminant(s). Scores are used to help determine relative risk at the site and do not necessarily mean that there is a direct risk to humans or the environment. The score of the 7th Avenue and Bethany Home Road site is 29 out of a possible 120.

For further information on this site or other WQARF sites, please visit the ADEQ web site at <http://www.azdeq.gov>. Click on Waste Programs Division, then Superfund Programs, and follow the prompts for the information you need. Information about the 7th Avenue and Bethany Road site is available at the ADEQ main office located at 1110 West Washington. The documents may also be reviewed at ADEQ's main office located at 1110 West Washington Street, Phoenix, AZ 85007. Please call the ADEQ file coordinator at (602) 771-4154, or toll-free in Arizona at (800) 234-5677, ext. 7714154, for a file review appointment.

ADEQ CONTACTS:

Thomas Di Domizio

ADEQ Project Manager
(602) 771-4229 or 1(800) 234-5677, ext. 771-4229
e-mail: tjd@azdeq.gov.

Wendy Van Deusen

ADEQ Community Involvement Coordinator
(602) 771-4410 or
1(800) 234-5677, ext. 771-4410
e-mail: wvl@azdeq.gov.

Hearing impaired persons may call our TDD line at (602) 771-4829.

If you or anyone you know is interested in obtaining more information about the 7th Avenue and Bethany Home Road site, and would like to continue to receive site information mailings, please complete and return the attached mailing form.

The local ADEQ office is located at:

1110 West Washington Street, Phoenix, AZ 85007.

The Remedial Projects Section fax number is:

(602) 771-4272.

GLOSSARY

contaminant - Any hazardous substance released into the environment.

groundwater - Water found beneath the earth's surface that fills pores between materials such as sand, clay or gravel. In aquifers, groundwater occurs in sufficient quantities that it can be used for drinking water, irrigation and other purposes.

Maximum Contaminant Level - A federally-designated, enforceable standard set to ensure that water is safe for drinking.

remediation - Actions taken to deal with the release of a hazardous substance that could affect people or the environment. The term "cleanup" is sometimes used interchangeably with the terms remedial action, removal action, response action, remedy.

trichloroethene (TCE) - A heavy, colorless, toxic liquid used to degrease metals, as an extraction solvent for oils and waxes, as a refrigerant, in dry cleaning and as a fumigant.

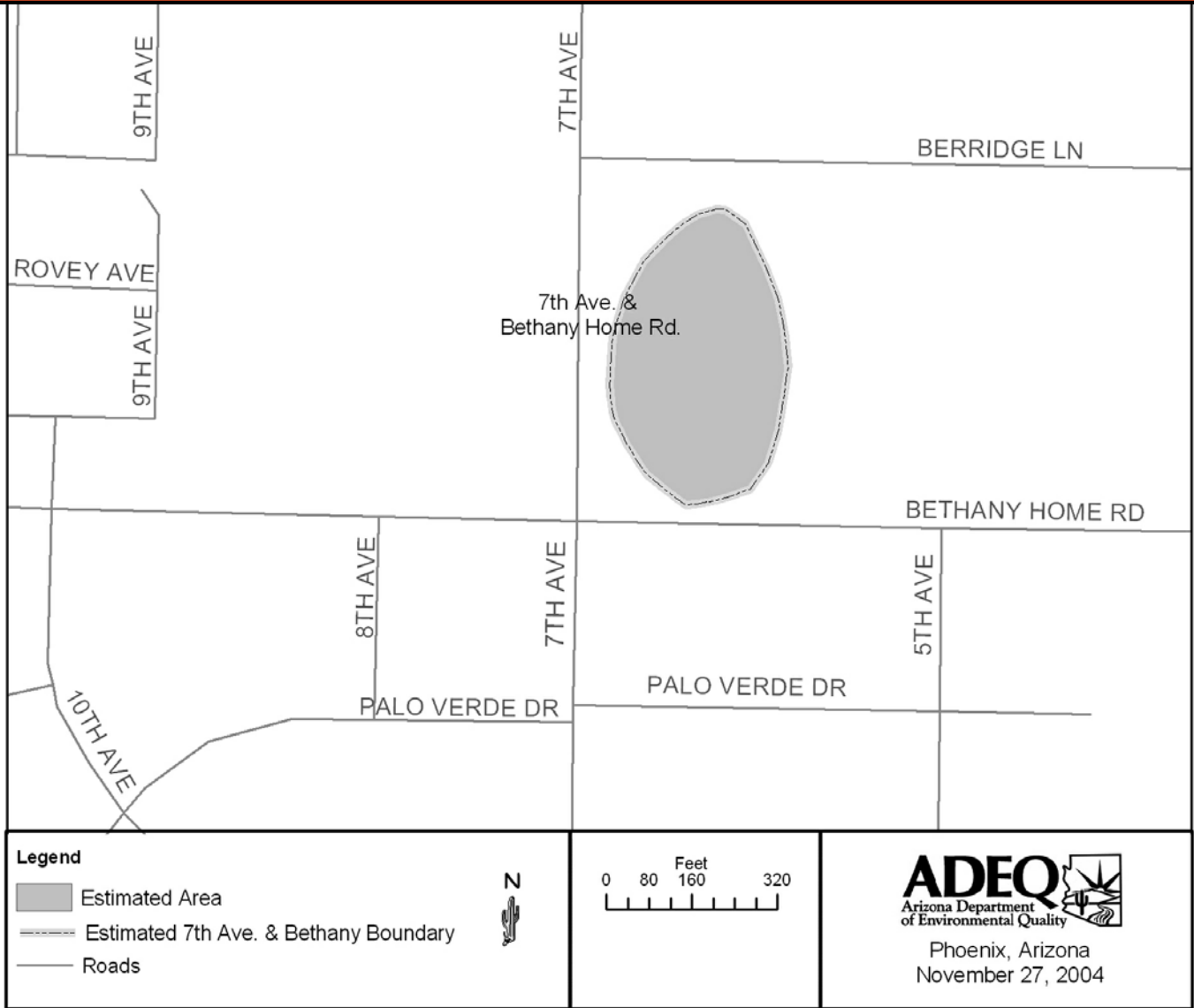
tetrachloroethene (PCE) - A clear, colorless, non-flammable solvent that readily evaporates at room temperature. PCE is widely used for dry cleaning of fabrics and degreasing/drying of metals.

volatile organic compounds (VOCs) - A large group of carbon-containing chemicals that readily evaporate at room temperature. Examples of VOCs are isopropyl alcohol (rubbing alcohol), acetone (found in some nail polish removers), and the solvents PCE and trichloroethylene (TCE) (used in dry cleaning and metal degreasing).

Water Quality Assurance Revolving Fund (WQARF) - A program administered by ADEQ to

- (1) conduct statewide surface and groundwater monitoring;
 - (2) study health effects;
 - (3) perform emergency remedial actions; and
 - (4) conduct long-term remedial action programs.
- Also known as "State Superfund."

7th Avenue and Bethany Home Road WQARF Site



Please complete and
return this
postage paid postcard.

Questions?

Contact:

Wendy Van Deusen
(602) 771-4410

Thank you
for your interest!

BUSINESS REPLY MAIL

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Wendy Van Deusen,
Community Involvement Coordinator
1110 W. Washington Street, 4415B-1
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Community Involvement Coordinator
1110 W. Washington Street, 4415B-1
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**IMPORTANT
INFORMATION
For You From
ADEQ
Concerning
7th Avenue and
Bethany Home Road
Water Quality Assurance
Revolving Fund (WQARF) Site**



**Mailing List Information
7th Avenue and Bethany Home Road
Water Quality Assurance Revolving Fund (WQARF) Area**

Last Name: _____ First Name: _____

Address: _____ Zip: _____

Mailing address: (if different from above)

_____ Zip _____

Phone: (home:) _____ (work:) _____

(mobile:) _____ (other:) _____

Occupation: _____ Employer: _____

How long have you lived in/near the 7th Ave. and Bethany Home Rd. site? _____

Please complete and
return this
postage paid postcard.



Questions?

Contact:

**Wendy Van Deusen
(602) 771-4410**

**Thank you
for your interest!**

